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	Application No.	Applicant(s)	,
A. (1)	10/783,791	SEKI ET AL.	
Notice of Allowability	Examiner	Art Unit	
	YOUNG T. TSE	2611	
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIFE of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	olication. If not included will be mailed in due coul	rse THIS
1. This communication is responsive to the amendment filed	on 28 September 2007.		
2. The allowed claim(s) is/are <u>1-32</u> .			
3. Acknowledgment is made of a claim for foreign priority ur	nder 35 U.S.C. § 119(a)-(d) or (f).		
a) ⊠ All b) ☐ Some* c) ☐ None of the:			
1. ☑ Certified copies of the priority documents have	e been received		
2. Certified copies of the priority documents have			
Copies of the certified copies of the priority does			from the
International Bureau (PCT Rule 17.2(a)).	curients have been received in this i	national stage application	itom the
* Certified copies not received:	·		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.			
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAMINER' es reason(s) why the oath or declara	S AMENDMENT or NOTI	CE OF
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.			
(a) ☐ including changes required by the Notice of Draftspers		948) attached	
1) hereto or 2) to Paper No./Mail Date		o 10) attaonod	
(b) ☐ including changes required by the attached Examiner's		Office action of	
Paper No./Mail Date .	2 Amendment 7 Comment of in the C	mice action of	
Identifying indicia such as the application number (see 37 CFR 1, each sheet. Replacement sheet(s) should be labeled as such in the	.84(c)) should be written on the drawir he header according to 37 CFR 1.121(c	ngs in the front (not the bac d).	k) of
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.			
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Attachment(s)			
1. Notice of References Cited (PTO-892)	Notice of Informal P.	atent Application	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary		
3. Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Dat 7. ⊠ Examiner's Amendn		
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. Examiner's Stateme		100
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	9.		
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EXAMINER'S AMENDMENT

- 1. The drawings were received on September 28, 2007. These drawings are acceptable.
- 2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In claim 22 (line 1), claim 26 (line 3), claim 28 (line 1) and claim 32 (line 3), "said signal obtaining step" has been changed to "said obtaining step" for clarity because the obtaining step for obtaining more than one signals.

In claim 23 (lines 1-2), claim 24 (lines 1-2), claim 25 (lines 1-2), claim 29 (lines 1-2), claim 30 (lines 1-2) and claim 31 (lines 1-2), "said difference calculating step (b)" has been changed to "said calculating step (b)" for clarity because the calculating step for calculating more than one phase differences.

3. The following is an examiner's statement of reasons for allowance: The prior art fails to show or suggest that a communication device or method for communication over wireless channels comprising: a Doppler frequency estimator or step for estimating Doppler frequency by dividing a mean value by a time length of one of a plurality of radio frames, wherein the mean value is the average of the absolute phase differences over the plurality of radio frames.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should

preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YOUNG T. TSE whose telephone number is (571) 272-3051. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad H. Ghayour can be reached on (571) 272-3021. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

YOUNG T. TSE Primary Examiner Art Unit 2611